

ABSTRACT

HEAT SINK STRUCTURE IN AN INDUCTIVE WRITE HEAD AND FABRICATION PROCESS THEREFOR

A magnetic head having a heat sink structure that is disposed proximate the
5 induction coil to draw heat away from sensitive components of the head. The heat sink is
fabricated above the second magnetic pole, and is therefore fabricated subsequent to the
fabrication of the more delicate components of the magnetic head. In a preferred
embodiment, the heat sink is fabricated photolithographically in the same process steps in
which the electrical lead to the center tap of the induction coil is fabricated. The only
10 difference in the magnetic head fabrication process is the modification of the
photolithographic mask that is used to create the electroplating trench in which the
electrical lead is electroplated, and the change to the mask involves the creation of a
second opening within the mask for the creation of an electroplating trench at the location
of the heat sink.